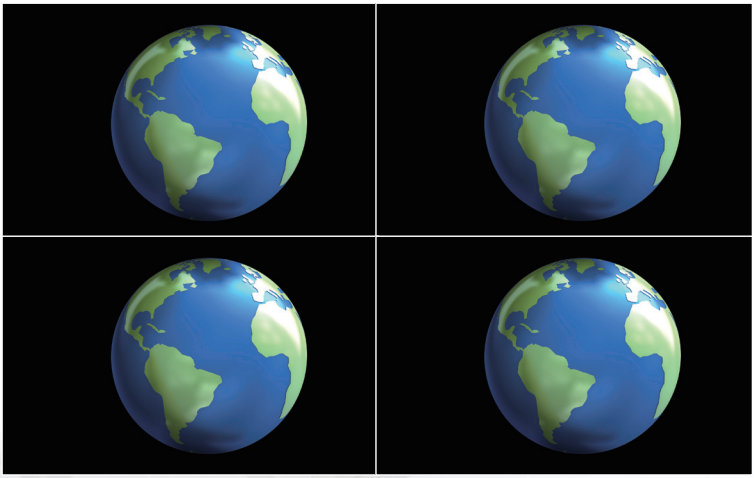
DS-47A
Video Wall



OPERATION MANUAL

Operation Instructions

Thank you for purchasing this product. For optimal performance and safety, read these instructions carefully. Please keep this manual for future reference.

Table of Contents

1. Specifications 1

2. Remote Control 2

3. Signal Input / Output Terminals 2

4. Using Your LED Display 3

5. Using the OSD menu.....4

6.3 Setup Menu.....5

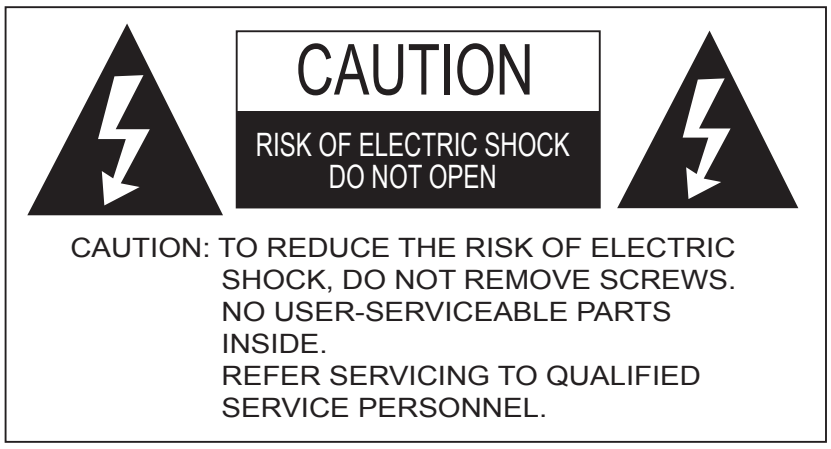
6. RS-232 Protocol 6

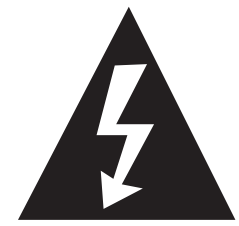
6.1 Pin Definition 6

6.2 Command 6

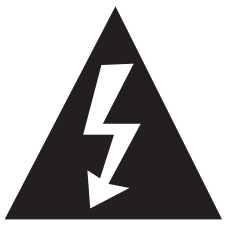
7. Connection and Installation 7

Important Information Warning





The lightning flash with arrow-head within a triangle is intended to tell the use that parts inside the product are a risk of electric shock to persons.



The lightning flash with arrow-head within a triangle is intended to tell the use that parts inside the product are a risk of electric shock to persons.

Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not place liquid containers (flower vase, cups, cosmetics, etc.) above the set (including on shelves above, etc.).

1. Mains Supply

   Operate this product only from the type of power supply from the package. If you are not sure of the type of power supplied to your home, consult your local power company. Disconnect the product from the mains before your start any maintenance or installation procedures.

2. Overloading

   Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

3. Liquids

   The product should not be exposed to any liquids such as dripping or splashing. In addition, no objects filled with liquids, such as vases, should be placed on the apparatus.

4. Cleaning

   Disconnect the product from the wall outlet before cleaning. Please wipe the screen gently with soft cloth. Do not using chemical solvents to cleaning the product, e.g. methylbenzene, resin or alcohol, will damage the exterior case, tinted glass and the remote controller. Do not apply them to clean this machine.

5. Place

   Do not place the product on an unstable, fluctuating or tilt table stand. The dropped display may endanger the personnel safety or product functions.

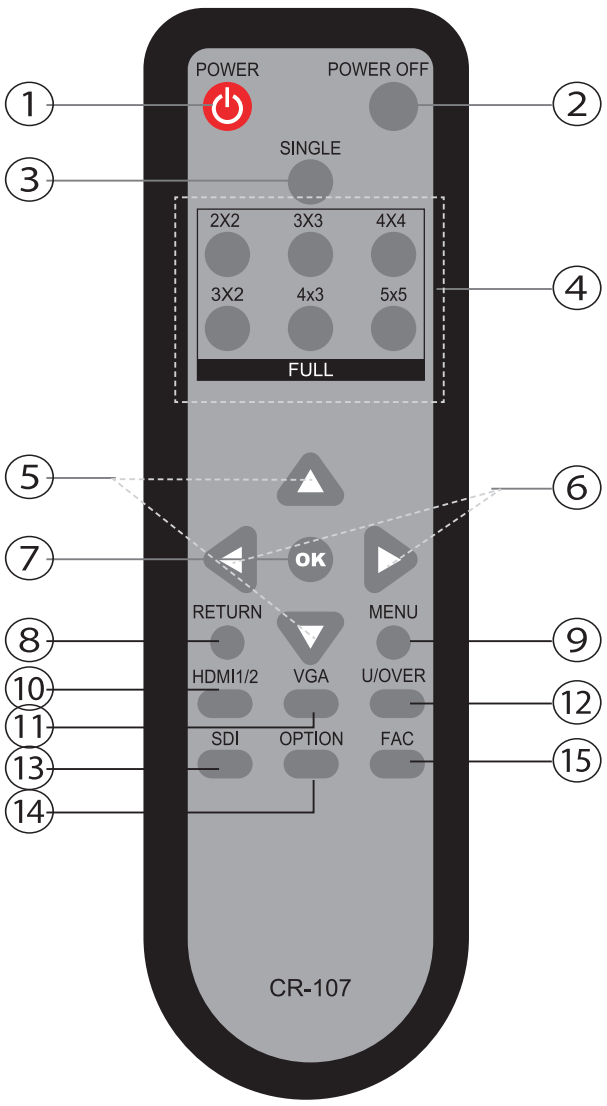
6. Cable

   Do not intertwine, pull or compress the power cable when placing the product, otherwise the power cable or plug may be worn out and damaged. And do not presses the power cable beneath the product, otherwise electric shocks, short circuits or flash over may occur.

1. Specifications

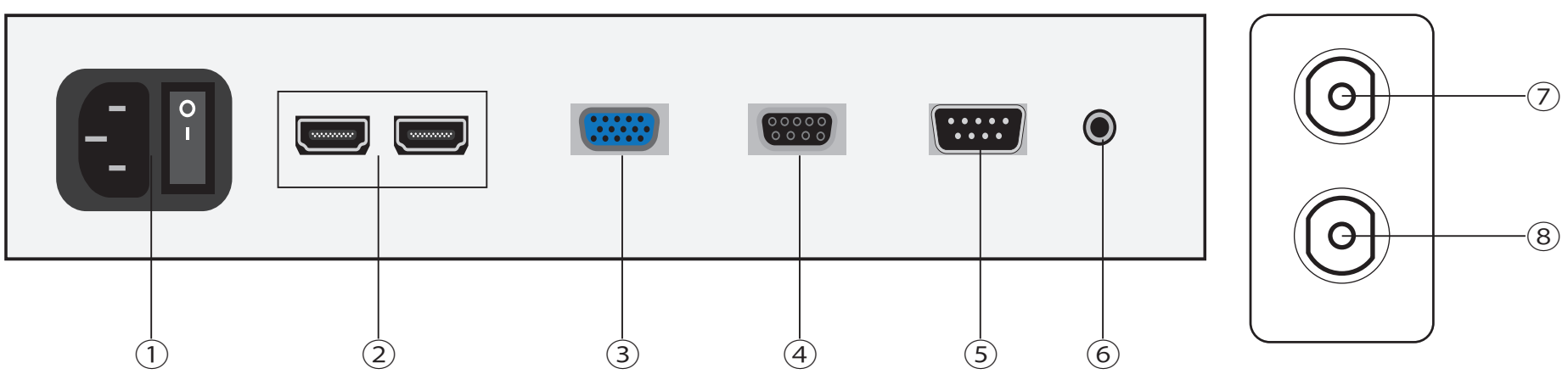
Model. No	DS-47A
SPECIFICATION	
Screen Size (inches)	47”
Aspect Ratio	16:9
Contrast Ratio	1400:1
Viewing angle range	178°
Panel Resolution	1366*768
Response Time (ms)	12
VIDEO	
HDMI Compatibility	480p/720p/1080i/1080p
HDTV Compatibility	Up to 1080P
PC Resolotion	Up to 1920x1080@60
Progressive Scan	Yes
Video Noise Reduction	Yes
3D-Y/C Digital Comb Filter	Yes
Color Purity Optimizer (3D Color Management)	Yes
Motion Pattern Noise Reduction	Yes
INPUT/OUTPUT	
HDMI Interface	2 rear
PC Input (for PC)	1 rear
SDI	2 rear (1 in, 1 out)
GENERAL	
Power Supply	100V~240V
Power Consumption (W)	150
On Screen Display Languages	Chinese, English
Dimension (H x V x D) mm	1046 x 591 x 115
Package Dimension (H x V x D)mm	1185 x 745 x 215
Net Weight (KG)	20.4
Gross Weight (KG)	21
Accessory	
Power Cord	1
Remote Control with Batteries	Yes
User Manual	Yes
Warranty Card	Yes

2. Remote Control



① POWER: Turn on the power of the monitor.
② POWER OFF: Turn off the power of the monitor.
③ SINGLE: Press this button to switch the output image to single display per monitor.
④ 2x2/3x3/4x4/5x5:Press thess buttons to switch the output image to 2x2/3x3/4x/3x2/4x3 or 5x5 displays per image.
⑤ ▲/▼: Adjust or select OSD menu up and down.
⑥ ◄/►: Adjust or select OSD menu left and right.
⑦ OK: Press this button to confirm the selection.
⑧ RETURN: Exit the OSD menu or the selection.
⑨ MENU: Display the OSD (On Screen Display) menu.
⑩ HDMI1/2: Press this hot key to switch the input to HDMI I/2.
⑪ VGA: Press this hot key to switch the input to VGA.
⑫ U/OVER: Press this key to adjust the screen when the image is underscan or overscan.
⑬ SDI: Press this hot key to switch the input to SDI.
⑭ OPTION: Press this key to switch to the special setting of the display image set by the factory design.
⑮ FAC:Press this key to enter into the factory mode. This is not a normal entry therefore, do not press this key unless it is adviced and guide by the special technician.

3. Signal Input/Output Terminals

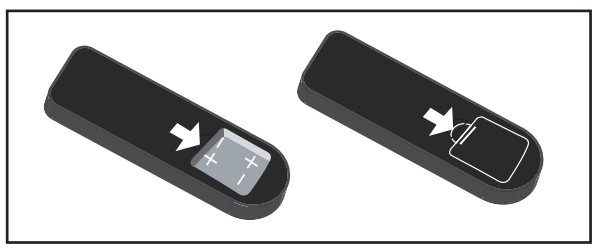


① AC IN: Connect the power cord with the power adaptor included in the package and plug it into the wall outlet for the power supply.
② HDMI IN 1/2: Connect the HDMI cable from DVD/Blu-ray player for signal input.
③ VGA IN: Connect the D-Sub 15pin cable from the PC/NB device or with RGB to D-Sub adaptor from the AV device for video signal input.
④ RS-232 IN: Connect the D-Sub 9pin cable from PC/NB device for RS-232 control.
⑤ RS-232 OUT: Connect the D-Sub 9pin cable to the next video/TV wall panel's(suggest using the same family type) RS-232 IN for unit signal distribution and displaying.
⑥ IR in: Connect the IR blaster included in the package for receiving remote control's signal of the device.
⑦ SDI OUT: Connect the SDI cable to the next video/TV wall panel's(suggest using the same family type) SDI IN for unit signal distribution and displaying.
⑧ SDI IN: Connect the SDI cable from the SDI source equipment for signal input.

4. Using Your LED Display

Refer to the owner's manual of any external equipment to be connected. When connecting any external equipment, do not connect any AC power cord to wall outlets until all other connections are completed.

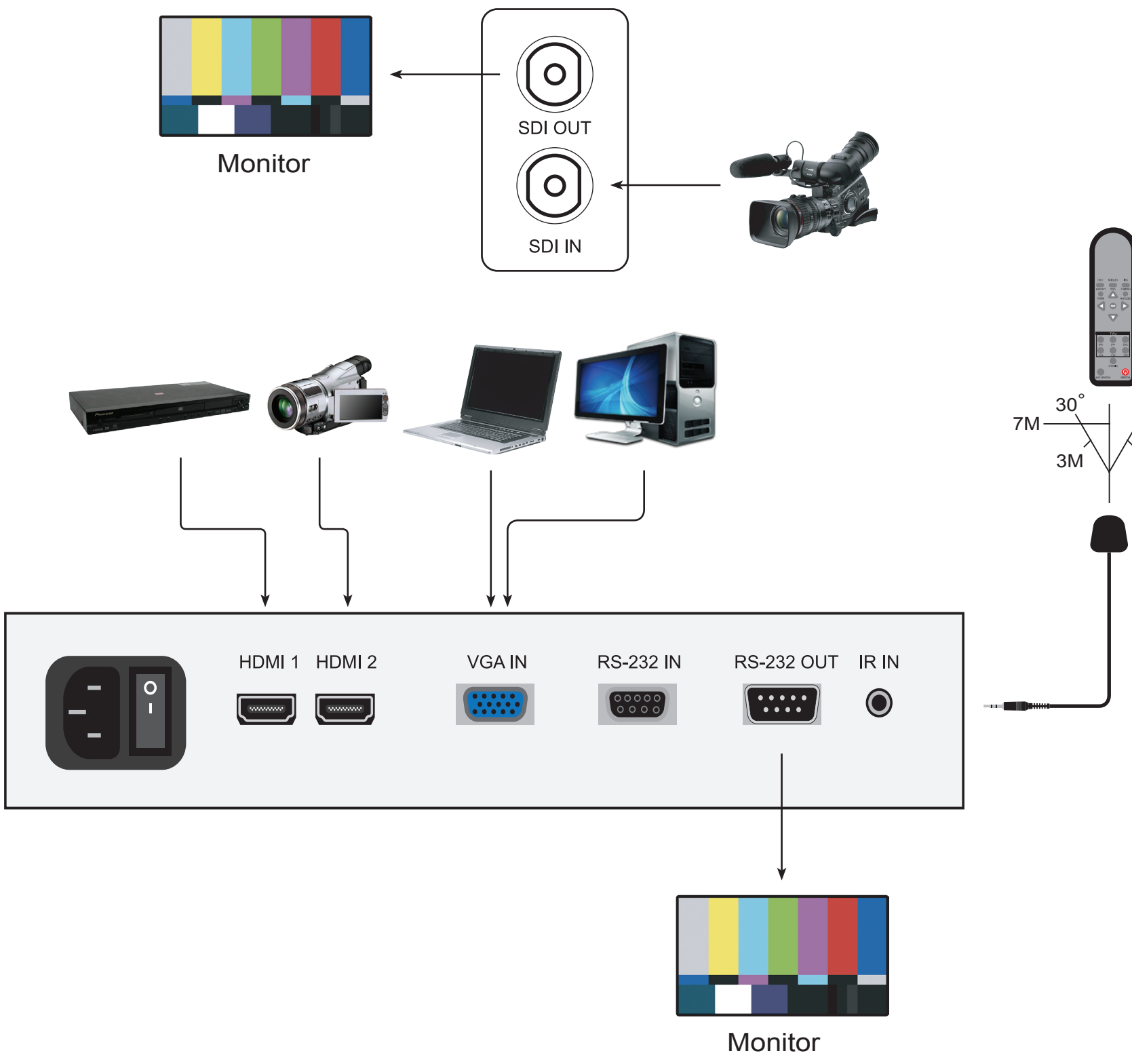
1. Connect all AC power sources.



2. Installing the AAA size batteries in your remote control.
   Step 1. Slide the back cover up to open the battery compartment of the remote control.
   Step 2. Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.
   Step 3. Slide the cover back into place.

   Do not use caustic cleaners (Porcelain, stainless steel, toilet, or oven cleaner etc.) on the remote, as it may suffer damage.

3. Press the [POWER] button on the remote to turn on the LED Display.



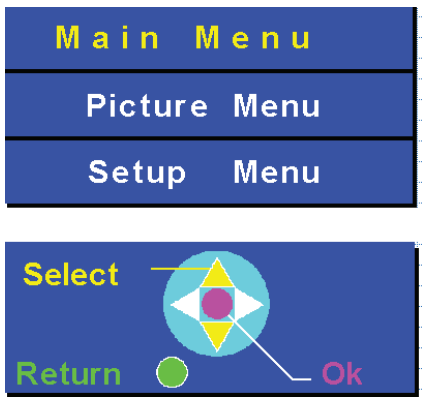
5. Using the OSD menu

Press [MENU].

Press [▲ / ▼] to highlight an option.

Press [◄ / ►] to adjust.

Press [OK] to confirm the selection.



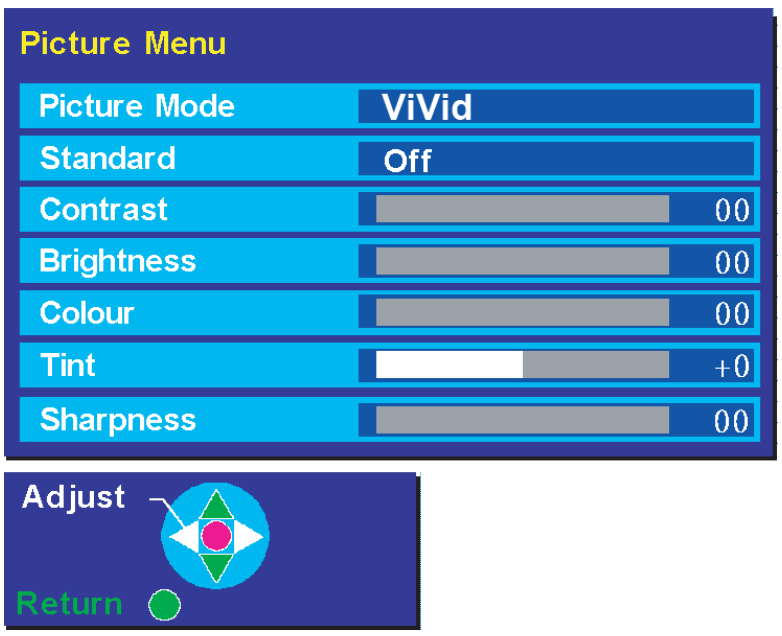
5.1 Picture Menu

Press [▲ / ▼] to highlight an option.

Press [◄ / ►] to adjust.

Press [OK] to confirm the selection.

Press [EXIT] to exit menu.



Option	Description
Picture Mode	To adjust picture mode to: Vivid / Normal / Cinema / User
Standard	ON/OFF, when slelct to ON the system will go back to initial setup
Colour	To adjust the color saturation.
Tint	To adjust picture hue (NTSC only).
Sharpness	Sharpen of soften the picture.
Contrast	To increase or decrease picture contrast.
Brightness	To adjust for brighten or darken the picture.

5.2 Setup Menu

Press [▲ / ▼] to highlight an option.

Press [◄ / ►] to adjust.

Press [OK] to confirm the selection.

Press [EXIT] to exit menu.

Option	Description
Language	Select the OSD display language (English, Traditional Chinese and Simplify Chinese).
Input Selection	Select the input from HDMI 1/2, VGA or SDI
Standard	Set it to ON will allow system to set the setup menu into the default value as indicated in the in the above diagram.
H POSITION START	To set the total value of the horizontal value of the video/TV wall. This function is made to adjust for the standard monitor screen.
V POSITON START	To set the total value of the vertical value of the video/TV wall. This function is made to adjust for the wide monitor screen.
H ZOOM SIZE	To set the total value of the horizontal zoom in and zoo out size of the video/TV wall. This function is made to enlarge the image or to shrink the image.
V ZOOM SIZE	To set the total value of the vertical zoom in and zoo out size of the video/TV wall. This function is made to enlarge the image or to shrink the image.
H BLANKING EDIT	This function is to set the total value of the horizontal value of the banking area of the video/TV wall. This function is made to adjust the image according to display's frame.
V BLANKING EDIT	This function is to set the total value of the vertical value of the banking area of the video/TV wall. This function is made to adjust the image according to display's frame.

6. RS-232 Protocol

6.1 Pin Definition

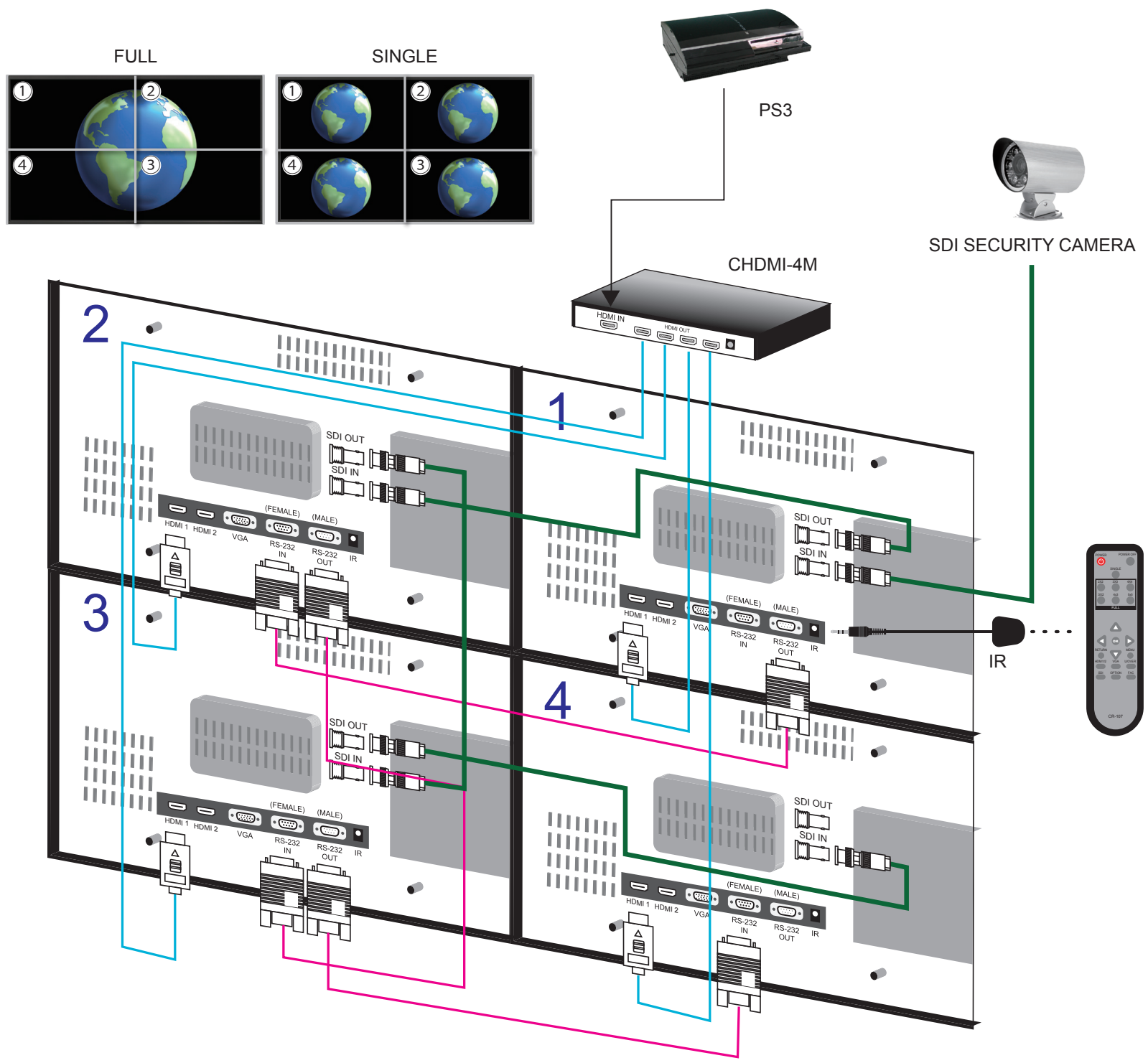
RS-232 IN			RS-232 OUT	
Pin 1	NC		Pin 1	NC
Pin 2	TxD		Pin 2	RxD
Pin 3	RxD		Pin 3	TxD
Pin 4	NC		Pin 4	NC
Pin 5	GND	→	Pin 5	GND
Pin 6	NC		Pin 6	NC
Pin 7	Connect to Pin 8	←	Pin 7	Connect to Pin 8
Pin 8	Connect to Pin 7		Pin 8	Connect to Pin 7
Pin 9	NC		Pin 9	NC

Baud Rate: 19200bps
Data bit: 8 bits
Parity: None
Stop Bit: 1 bit
Flow Control: None

6.2 Command

COMMAND	ACTION
0x23 0x53 0x30 0x30 0x31 0x23	POWER ON
0x23 0x53 0x30 0x30 0x30 0x23	POWER OFF
0x23 0x43 0x30 0x30 0x30 0x23	UNDER SCAN
0x23 0x43 0x30 0x30 0x31 0x23	OVER SCAN
0xEF 0x06 0xD2 0xC0 0x20 0x00 0x04 0xEE	SINGLE
0xEF 0x06 0xD3 0xC0 0x20 0x01 0x04 0xEE	2x2
0xEF 0x06 0xD8 0xC0 0x20 0x01 0x09 0xEE	3x3
0xEF 0x06 0xDF 0xC0 0x20 0x01 0x10 0xEE	4x4
0xEF 0x06 0xDF 0xC0 0x20 0x01 0x19 0xEE	5x5
0xEF 0x06 0xD7 0xC0 0x20 0x01 0x08 0xEE	3x2
0xEF 0x06 0xE0 0xC0 0x20 0x01 0x11 0xEE	4x3
0xEF 0x05 0xD7 0xC0 0x22 0x07 0xEE	Change to HDMI
0xEF 0x05 0xD0 0xC0 0x22 0x00 0xEE	Change to PC
0xEF 0x06 0x8A 0xC0 0x20 0x01 0xBB 0xEE	Option

7. Connection and Installation



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